Pergamon

Oncology Research, Vol. 5, No. 12, pp. 513–520, 1993
Copyright © 1994 Elsevier Science Ltd
Printed in the USA. All rights reserved
0965-0407/93 $6.00 + .00

ONCOLOGY RESEARCH

LIST OF CONTENTS, VOLUME 5, 1993

Vol. 5 No. 1

CONTENTS

Laboratory Research

Aristide Floridi, Francesco P. Gentile, Tiziana Bruno, Andrea Delpino, Carla Iacobini, Marco G. Paggi, Susanna Castiglione, and Marcello Benassi	1	Thermal behavior of a human glioma cell line and its response to combinations of hyperthermia and lonidamine
Amha Asseffa, Leon A. Dickson, Suresh Mohla, and Theodore A. Bremner	11	Phorbol myristate acetate-differentiated THP-1 cells display increased levels of MHC class I and II mRNA and interferon-γ-inducible tumoricidal activity
Anna E. Kossakowska, Stefan J. Urbanski, Andrew Watson, Lawrence J. Hayden, and Dylan R. Edwards	19	Patterns of expression of metalloproteinases and their inhibitors in human malignant lymphomas
Evangelia Hatzigrigoriou, Maria V. Papadopoulou, Donna Shields, and William D. Bloomer	29	2-Alkylsulfonyloxy-3-hydroxy-1,4-naphthoquinones: a novel class of radio- and chemosensitizers of V79 cells
Oskar S. Frankfurt, John J. Byrnes, Daniel Seckinger, and Everett V. Sugarbaker	37	Apoptosis (programmed cell death) and the evaluation of chemosensitivity in chronic lymphocytic leukemia and lymphoma
Reference Listings in Cancer Research	43	
Instructions to Contributors	**Instructions-1**	
Abbreviations Used in this Journal	**Abbreviations-1**	

Vol. 5 No. 2

CONTENTS

Clinical Research

John R. Murren, Sanjay Ganpule, Rose Papac, Yung H. Son, Richard E. Peschel, Henry Durivage, Antonio C. Buzaid, Lynne Lamb, Robert Makuch and William N. Hait	53	A Phase II Trial of Mitomycin C, 5-Fluorouracil and Radiation Therapy in the Treatment of Unresectable Non-small Cell Lung Cancer

Laboratory Research

Ann H. Cory, Larry W. Hertel, J. Stan Kroin and Joseph G. Cory	59	Effects of 2', 2'-Difluorodeoxycytidine (Gemcitabine) on Wild Type and Variant Mouse Leukemia L1210 Cells
I. Fichtner, R. Reszka, M. Schütt, M. Rudolph, M. Becker, M. Lemm, J. Richter and I. Berger	65	Carboplatin-Liposomes as Activators of Hematopoiesis
Alessandra Mazzoni and Fabio Trave	75	Cytoplasmic Membrane Cholesterol and Doxorubicin Cytotoxicity in Drug-Sensitive and Multidrug-Resistant Human Ovarian Cancer Cells
Thomas P. Brent, Mather A. von Wronski, Carol C. Edwards, Michael Bromley, Geoffrey P. Margison, Joseph A. Rafferty, Charles N. Pegram and Darell D. Bigner	83	Identification of Nitrosourea-Resistant Human Rhabdomyosarcomas by In Situ Immunostaining of O^6-Methylguanine-DNA Methyltransferase
Reference Listings in Cancer Research	87	
Instructions to Contributors	**Instructions-1**	
Abbreviations Used in this Journal	**Abbreviations-1**	

Vol. 5 No. 3

CONTENTS

Laboratory Research

Fumihiro Oshita and Alan Eastman	111	Gene-Specific Damage Produced by Cisplatin, Ormaplatin and UV Light in Human Cells as Assayed by the Polymerase Chain Reaction
Jette Rasmussen, Lars Lindgaard Hansen, Ellen Friche and Jerzy W. Jaroszewski	119	^{31}P and ^{13}C NMR Spectroscopic Study of Wild Type and Multidrug Resistant Ehrlich Ascites Tumor Cells
Yi Sun, Nancy H. Colburn and Larry W. Oberley	127	Decreased Expression of Manganese Superoxide Dismutase mRNA and Protein After Immortalization and Transformation of Mouse Liver Cells
Andrea Haldane, Graeme J. Finlay and Bruce C. Baguley	133	A Comparison of the Effects of Aphidicolin and Other Inhibitors on Topoisomerase II-Directed Cytotoxic Drugs
Yoshinobu Manome, Ralph R. Weichselbaum, Donald W. Kufe and Howard A. Fine	139	Effect of Bcl-2 on Ionizing Radiation and 1-β-D-Arabinofuranosylcytosine-Induced Internucleosomal DNA Fragmentation and Cell Survival in Human Myeloid Leukemia Cells
Reference Listings in Cancer Research	145	
Instructions to Contributors	**Instructions-1**	
Abbreviations Used in this Journal	**Abbreviations-1**	

Vol. 5 Nos. 4/5

CONTENTS

Laboratory Research

Yuki Hata, Yutaka Natsumeda and George Weber	**161**	Tiazofurin Decreases Ras-GTP Complex in K562 Cells
Michio Ichimura, Tatsuhiro Ogawa, Kei-ichi Takahashi, Akira Mihara, Isami Takahashi and Hirofumi Nakano	**165**	Interconversion and Stability of Duocarmycins, a New Family of Antitumor Antibiotics: Correlation to Their Cytotoxic and Antimicrobial Activities *In Vitro*
Hiromitsu Yabushita and Alan C. Sartorelli	**173**	Effects of Sodium Butyrate, Dimethylsulfoxide and Dibutyryl cAMP on the Poorly Differentiated Ovarian Adenocarcinoma Cell Line AMOC-2
Tetsuya Hosokawa, Akihiko Muraishi, Vicki L. Rothman, Maria Papale and George P. Tuszynski	**183**	The Effect of Thrombospondin on Invasion of Fibrin Gels by Human A549 Lung Carcinoma
Radhey L. Singhal and George Weber	**191**	Deoxycytidine Kinase and Thymidine Kinase Activities in Rat Brain
Reference Listings in Cancer Research	**197**	
Instructions to Contributors	**Instructions-1**	
Abbreviations Used in this Journal	**Abbreviations-1**	

Vol. 5 Nos. 6/7

CONTENTS

Laboratory Research

W. Jeffrey Baker, Juhani U. Maenpaa, Gregory T. Wurz, Steven K. Koester, Robert C. Seymour, Vernon D. Emshoff, Valerie J. Wiebe, and Michael W. DeGregorio	**207**	Toremifene Enhances Cell Cycle Block and Growth Inhibition by Vinblastine in Multidrug Resistant Human Breast Cancer Cells
Bonnie L. Kuehl, Manuel Buchwald, and A. Michael Rauth	**213**	Characterization of a Set of Chinese Hamster Ovary Variant Cell Lines Demonstrating Differing Sensitivity to Mitomycin C
Richard M. Schultz, Ronald L. Merriman, John E. Toth, John E. Zimmermann, Larry W. Hertel, Sherri L. Andis, Donald E. Dudley, Pamela G. Rutherford, Lee R. Tanzer, and Gerald B. Grindey	**223**	Evaluation of New Anticancer Agents against the MIA PaCa-2 and PANC-1 Human Pancreatic Carcinoma Xenografts

Leonard Lothstein, L. Michelle Hosey, Trevor W. Sweatman, Yoshihiro Koseki, Michael Dockter, and Waldemar Priebe	**229**	N-Benzyladriamycin-14-Valerate (AD 198)-Resistant Cells Exhibit Highly Selective Cross-Resistance to Other Anthracyclines That Circumvent Multidrug Resistance
Takahide Ota, Hiroyuki Kohno, Masayo Maeda, Mikio Tanino, and Shizuo Odashima	**235**	Involvement of Peanut Agglutinin-Binding Sugar Chains in Experimental Metastasis of B16 Melanoma Cells

Clinical Research

Hiroshi Miyamoto, Yoshinobu Kubota, Taro Shuin, Soichiro Torigoe, Masahiko Hosaka, Yoshiko Iwasaki, Kathleen Danenberg, and Peter V. Danenberg	**245**	Analyses of p53 Gene Mutations in Primary Human Bladder Cancer
Reference Listings in Cancer Research	**251**	
Instructions to Contributors	**Instructions-1**	
Abbreviations Used in this Journal	**Abbreviations-1**	

Vol. 5 No. 8

CONTENTS

Laboratory Research

Panayotis Pantazis, Anthony J. Kozielski, Dana M. Vardeman, Edward R. Petry, and Beppino C. Giovanella	**273**	Efficacy of Camptothecin Congeners in the Treatment of Human Breast Carcinoma Xenografts
Yasuo Saijo, Laszlo Perlaky, Benigno C. Valdez, Hongmin Wang, Dale Henning, and Harris Busch	**283**	Cellular Pharmacology of p120 Antisense Oligodeoxynucleotide Phosphorothioate ISIS 3466[a]
John A. Sokoloski, Giuseppe Pizzorno, G. Peter Beardsley, and Alan C. Sartorelli	**293**	Evidence for a Relationship Between Intracellular GTP Levels and the Induction of HL-60 Leukemia Cell Differentiation by 5,10-Dideazatetrahydrofolic Acid (DDATHF)
Elaine S. Marshall, Karen M. Holdaway, James H.F. Shaw, Graeme J. Finlay, John H.L. Matthews, and Bruce C. Baguley	**301**	Anticancer Drug Sensitivity Profiles of New and Established Melanoma Cell Lines
Guido Cimoli, Monica Valenti, Silvio Parodi, Alessandra Mazzoni, Fabio De Sessa, PierFranco Conte, and Patrizia Russo	**311**	Reversal of "Atypical"-Multidrug Resistance by Recombinant Human Tumor Necrosis Factor in the Human Ovarian Cancer Cell Line A2780-DX3
Jay Wimalasena, Daniel Meehan, Robert Dostal, J. Steve Foster, Mark Cameron, and McClure Smith	**325**	Growth Factors Interact with Estradiol and Gonadotropins in the Regulation of Ovarian Cancer Cell Growth and Growth Factor Receptors
Reference Listings in Cancer Research	**339**	
Instructions to Contributors	**Instructions-1**	
Abbreviations Used in this Journal	**Abbreviations-1**	

Vol. 5 No. 9

CONTENTS

Clinical Research

Jenny J.L. Ho, Kristine Norton, Yong-suk Chung, and Young S. Kim 347 Expression of CA19-9, DU-PAN-2, and SPan-1 Antigens on Two Types of Normal Salivary Mucins

Maurizio Fanciulli, Tiziana Bruno, Susanna Castiglione, Carlo Del Carlo, Marco G. Paggi, and Aristide Floridi 357 Glucose Metabolism in Adriamycin-Sensitive and -Resistant LoVo Human Colon Carcinoma Cells

Richard L.X. Ho, Darbie L. Maccubbin, Peter Ujházy, Gintaras Zaleskis, Cheryl Eppolito, Enrico Mihich, and M. Jane Ehrke 363 Immunological Responses Critical to the Therapeutic Effects of Adriamycin Plus Interleukin 2 in C57BL/6 Mice Bearing Syngeneic El4 Lymphoma

Richard L.X. Ho, Darbie L. Maccubbin, Peter Ujházy, Gintaras Zaleskis, Christian Krawczyk, Kathleen Wing, Enrico Mihich, and M. Jane Ehrke 373 Development of a Safe and Effective Adriamycin Plus Interleukin 2 Therapy Against Both Adriamycin-Sensitive and -Resistant Lymphomas

Dali Yin, Seiji Kondo, Juji Takeuchi, and Tatsuo Morimura 383 Induction of Apoptosis in Rat Somatotrophin-Secreting Pituitary Adenoma Cells by Bromocriptine

Reference Listings in Cancer Research 389

Instructions to Contributors Instructions-1

Abbreviations Used in this Journal Abbreviations-1

Vol. 5 Nos. 10/11

CONTENTS

Commentary

David A. Gewirtz 397 DNA Damage, Gene Expression, Growth Arrest and Cell Death

Clinical Research

David H. Kinder, Mitchel S. Berger, Beth A. Mueller, and John R. Silber 409 Urokinase Plasminogen Activator is Elevated in Human Astrocytic Gliomas Relative to Normal Adjacent Brain

Laboratory Research

E. Michael August, Kimberly L.K. Duncan, Nancy M. Malinowski, Richard L. Cycyk 415 Inhibition of Fibroblast Hyaluronic Acid Production by Suramin

Subhash C. Gautam, Chris J. Noth, Loreen M. Niewenhuis, Nalini Janakiraman, Jong S. Kim, and Michael Chopp 423 Transforming Growth Factor Beta-1 (TGF-β1) Potentiates IL1α-Induced IL6 mRNA and Cytokine Protein Production in a Human Astrocytoma Cell Line

Cheng Zhang, Terry Bowlin, and Bernard L. Mirkin	**433**	Suppression of C-1300 Murine Neuroblastoma Cell Proliferation in Tissue Culture and Tumor Growth In Vivo by (Z)5' -Fluro-4', -5' -didehydro-5' -deoxyadenosine (MDL 28,842), an Irreversible Inhibitor of S-Adenosyl-L-homocysteine Hydrolase
Hans-Heinrich Heidtmann, Ursula Salge, Klaus Havemann, Heidrun Kirschke, and Bernd Wiederanders	**441**	Secretion of a Latent, Acid Activatable Cathepsin L Precursor by Human Non-Small Cell Lung Cancer Cell Lines
Reference Listings in Cancer Research	**453**	
Instructions to Contributors	**Instructions-1**	
Abbreviations Used in this Journal	**Abbreviations-1**	

Vol. 5 No. 12

CONTENTS

Laboratory Research

Juhani U. Maenpaa, Gregory T. Wurz, W. Jeffrey Baker, Valerie J. Wiebe, Vernon D. Emshoff, Steven K. Koester, Robert C. Seymour, R. Ellen Koehler, and Michael W. DeGregorio	**461**	A Breast Cancer Clone Selected by Tamoxifen Has Increased Growth Rate and Reduced Sensitivity to Doxorubicin
Michael R. Mattern, Glenn A. Hofmann, Rodd M. Polsky, Lois R. Funk, Francis L. McCabe, and Randall K. Johnson	**467**	*In Vitro* and *In Vivo* Effects of Clinically Important Camptothecin Analogues on Multidrug-Resistant Cells
Dennis P. Heller, M. Mark Feeley, and G. Peter Raaphorst	**475**	Changes in Survival and Potentially Lethal Damage Recovery Following Periods of High and Low Metabolic Activity in Human Glioma Cells
Thomas P. Zimmerman, Barbara A. Domin, and William B. Mahony	**483**	Inhibition of Thymidine Transport by 3' -Azido-3' -Deoxythymidine and Its Metabolites

Commentary

Lynn C. Yeoman	**489**	An Autocrine Model for Cell- and Matrix-Associated Fibroblast Growth Factor
Erratum	**501**	
Reference Listings in Cancer Research	**503**	
Contents and Author Index for Volume 5, 1993	**511**	
Instructions to Contributors	**Instructions-1**	
Abbreviations Used in this Journal	**Abbreviations-1**	